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August 21, 2003  
Date of Deposit

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

LIEM ET AL.

APPLICATION NO: UNKNOWN

FILED: HEREWITH

FOR: FUSOBACTERIUM NECROPHORUM VACCINE AND METHOD FOR  
MAKING SUCH VACCINE

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This paper is being filed within three months of the filing date of the application. Therefore, no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.


In accordance with 37 C.F.R. §1.56, applicants wish to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

The listed references are of record in parent Application No. 09/408,328 filed September 29, 1999, and copies are available therein. However, applicants are willing to send copies of any or all of these references at the Examiner's request.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

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East Hanover, NJ 07936-1080  
(862) 778-7922

  
David L. Marks  
Attorney for Applicants  
Reg. No. 37,881

Date: Aug. 21, 2003

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO.  
H-32682A  
APPLICATION NO.  
Not Yet Assigned  
APPLICANT  
LIEM ET AL.  
FILING DATE  
HEREWITH

Group

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	5,455,034	10/3/95	Nagaraja et al.	424	236	6/18/93
	AB	5,492,694	2/20/96	Nagaraja et al.	424	236	11/3/94
	AC	5,861,162	1/19/99	Nagaraja et al.	424	203.1	6/7/95
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AM	EP 460,480	12/1/91	Europe	A61K	35/74	<input type="checkbox"/>	<input type="checkbox"/>
	AN	RU 2,043,770	2/1/93	Russia			<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	J. Vet Diagn Invest 5:282-283 (1993) Outer membrane proteins of <i>Fusobacterium necrophorum</i> biovars A, AB and B: their taxonomic relationship to <i>F. Necrophorum</i> subspecies <i>necrophorum</i> and <i>F. necrophorum</i> subspecies <i>funduliforme</i> , Patricia C. Ainsworth, Charles M. Scanlan
	AS	Veterinary Microbiology 32 (1992) 15-28, Elsevier Science Publishers B.V. Amsterdam; Factors affecting the leukotoxin activity of <i>Fusobacterium necrophorum</i> <sup>1</sup> , Z.L. Tan <sup>a</sup> , T.G. Nagaraja <sup>a</sup> and M.M. Chengappa <sup>b</sup> , pages 15-28
	AT	Am J. Vet Res. Vol. 47, No. 7, July 1986, Biochemical characterization of the leukotoxins of three bovine strains of <i>Fusobacterium necrophorum</i> ; C.M. Scanlan, DVM, Ph.D.; J.N. Berg, DVM, Ph.D.; F.F. Campbell, BS, pages 1422-1425

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

**INFORMATION DISCLOSURE CITATION**

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EXAMINER  
INITIAL

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent pages, Etc.)

DA	Boslego et al., Vaccines and Immunotherapy, Chapter 17, pp. 211-223, (1991)
DB	
DC	
DD	
DE	
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DN	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.